

Not 4k, new HDR is something you need to pay special attention to when choosing to buy a TV

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4K is something that is often talked about every day when we watch TV commercials or videos, making many people think that 4K is like a big leap in display technology, and 4K TVs it is obvious that it will give the ability to display the image of 'martyr' - this is true, but not enough. There's another thing that's more interesting on a TV, it's HDR technology.

1. How to use 4K TV as a computer screen

First, it is important to understand what the true meaning of 4K is

Display technology terms that you often hear such as standard resolution (SD), high resolution (HD) and 4K (or Ultra HD) refer to a feature called resolution or the number of pixels (or small display bits) that make up the screen. A regular HDTV will have 1080p resolution. Simply put, it is 1,920 x 1,080 pixels: 1,920 pixels spread across the screen horizontally and 1,080 pixels go through the screen vertically.

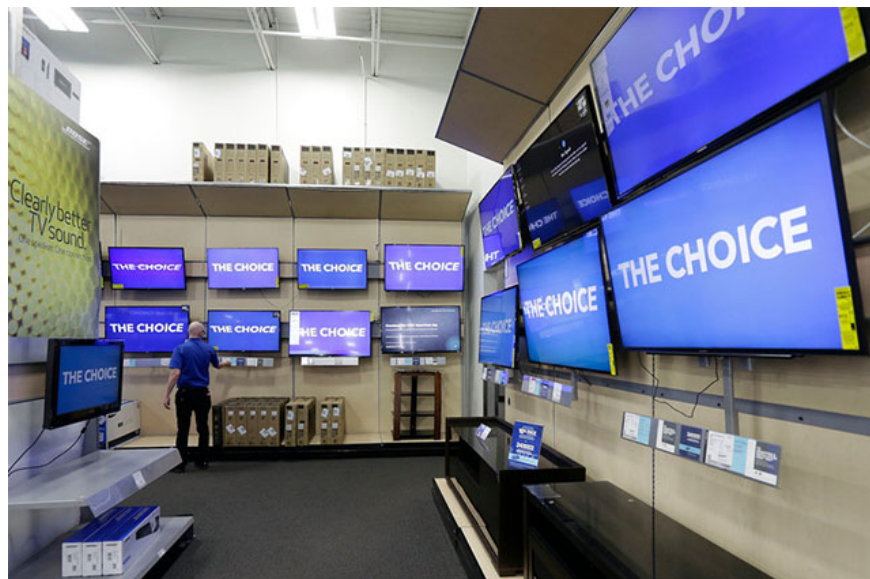


4K TV simply increases that number of pixels. Usually, 4K standard refers to screen resolution of 2160p, or 3,840 x 2,160 pixels. That is about four times larger than the 1080p standard, the term "4K" was also

born. Technically, 4K is not quite equivalent to 2160p, but the technical difference is so small that it is not really important and we can hardly recognize it.

This is also the reason 4K is misleading, or rather a marketing trick of manufacturers. 4K sounds somewhat superior and better than regular Full HD, and the 2160p seems to be a bigger and more attractive figure than 1080p. It is also true that according to theory, 4K standard is supposed to bring 4 times the definition of Full HD. But in fact, this technology is being overexposed.

Why do you say that? Carlton Bale, a screen technology expert, said that from about 2m onwards, you will need an extra-large (84 inch) TV to differentiate the differences in Full HD sharpness. compared to 4K. With a popular 42 or 50 inch TV in your home, to realize the difference, you'll have to sit near the TV in the range of 0.6 to 0.9m. Therefore, with the distance from the eyes to the TV screen as in our living room today, the difference in sharpness between Full HD and 4K is available, but very difficult to detect. In short, 4K will definitely give better visibility than 1080p, which is not a table, but your eyes can't recognize those pixel differences unless you use a big TV and plan on intend to sit near it.



In addition, the 4K effect only works really when you view content that is recorded naturally in 4K resolution. A program that was only shot at native resolution of 1080p but posted on a 4K screen could not help provide any details.

The cost of 4K TVs has dropped significantly over the years. Today, you can easily find a 'delicious' 4K TV with a selling price of less than 15 million dong. The discounted 4K TV segment also naturally pulled the 1080p HD TV market to a much better price, but this is not necessarily a good thing. Basically, reduced selling prices mean that really important things that help create a good TV screen like higher contrast ratio, smoother motion and better colors have been removed from the TV. 1080p to cut costs and instead bring up higher segments.



Unless you intend to buy a very small TV (32 inches or smaller) or you don't want to spend a lot of money, if finance allows, I recommend you buy a 4K TV by simple, 4K TV though The more expensive it is, the more expensive the technology is compared to the FHD products.

It is time for HDR to be returned to its correct position

Yes, so far, it can be said that 4K technology is not all on a TV, but some 4K TVs have an important feature that makes them worth buying: it's a high dynamic range. -dynamic range - HDR.HDR helps to increase the contrast ratio displayed, which is the difference between the brightest and darkest colors your TV can 'perform'.In other words, HDR allows the TV to show more fine details in shades between bright and dark colors.In addition, HDR is also often accompanied by another feature, called wide-color gamut (WCG), which allows the TV to produce more colors than usual.As a result, the combination of 4K, HDR and WCG will create a more vivid and realistic image quality.Specifically, the colors will be displayed 'smoother' and the objects in the frame seem to be shown more in depth.This is absolutely not an empty advertising word, but a real improvement to the image quality on TV.



1. How to turn on HDR on Windows 10

However, there is a big problem with HDR that is similar to 4K, so that for these technologies to really maximize efficiency, the content to be displayed must also be rotated with the same original quality.

In short: Pay more attention to HDR



Here are the most important things you need to keep in mind before choosing to buy a TV:

1. 4K and HDR will not be mutually exclusive but otherwise complement each other very well. There are now many 4K HDR TVs on the market and this combination will remain the mainstream technology in the industry's future development trend!
2. 4K HDR also has many levels, and of course the combination of 4K HDR on expensive models will bring a much better visual experience.
3. If the financial situation does not allow, you do not need to try to buy a 4K HDR TV at this time. Currently, HDR is still a premium feature and it will take some time for many HDR content to be widely available. The head for a regular 4K TV or FHD at this time is reasonable for those with a tight budget.
4. Between HDR and 4K, HDR is a real step forward. If you can wait for the HDR market to "cool down" a bit and then buy a TV, do so. But if you have the budget and want to own a good TV right now, HDR will definitely be a must-have technology.

I wish you to buy yourself a suitable product!

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